I. AMENDMENTS

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

Claim 1. (Currently amended) A method for modulating body organ functioning, comprising the steps of:

collecting a plurality of waveforms generated in a body and carried by neurons in the body, said plurality of waveforms being operative in the regulation of ~~body organ functioning~~ a plurality of functions of at least one body organ;

storing said collected plurality of waveforms in a storage medium; and

transmitting at least ~~a first waveform signal proximate~~ one of said collected plurality of waveforms to a ~~first~~ said body organ to regulate organ function~~, said first waveform signal including at least a second waveform that substantially corresponds to at least one of said collected waveforms and is operative in the regulation of said first body organ~~.

Claim 2. (Currently amended) The method ~~claim 1~~ of claim 1, wherein said step of collecting said plurality of waveforms includes transforming said collected plurality of waveforms into a readable format for a processor.

Claim 3. (Currently amended) The method of claim 2, wherein said collected plurality of waveforms comprise analog signals, and wherein said transforming step comprises transforming said analog signals into digital form.

Claim 4. (Currently amended) The method of claim 1, wherein said step of storing said collected plurality of waveforms includes storing said collected plurality of waveforms according to ~~the function performed~~ said functions regulated by said ~~connected~~ collected plurality of waveforms.

Claim 5. (Canceled)

Claim 6. (Currently amended) An apparatus for modulating body organ functioning, comprising:

a source of collected waveforms that are representative of waveforms naturally generated within a body ~~and are indicative~~, said collected waveforms being operative in the regulation of a plurality of functions of at least a first body organ ~~functioning~~;

means for selecting at least a first waveform from said collected plurality of waveforms, said first waveform ~~substantially corresponding to at least one of said collected waveforms and~~ being operative to regulate [[a]] said first body organ; and

means adapted to be in communication with the body for broadcasting said first waveform ~~proximate~~ to said first body organ to stimulate or regulate organ function.

Claim 7. (Canceled)

Claim 8. (Currently amended) The apparatus of claim 6, wherein said source comprises a computer, and wherein said collected plurality of waveforms being are stored in said computer in digital format.

Claim 9. (Currently amended) The apparatus of claim 8, wherein said computer includes separate storage areas adapted to store said collected plurality of waveforms ~~in different functional categories~~ according to said functions regulated by said collected plurality of waveforms.

Claim 10. (Currently amended) The apparatus of claim 6, further including means for ~~acquiring~~ collecting said collected plurality of waveforms from the body and transmitting said collected plurality of waveforms to said source.

Claim 11. (Previously presented) The apparatus of claim 10, wherein said collecting means comprises a sensor adapted to communicate with the body.

Claims 12-14. (Canceled)

Claim 15. (Previously presented) The apparatus of claim 6, wherein said broadcasting means comprises a body electrode.

Claim 16. (Currently amended) A method for modulating body organ functioning, comprising the steps of:

collecting waveform signals that are representative of waveform signals naturally occurring within a body and that are carried by neurons in the body, said waveform signals being operative in the regulation of body organ functioning; and

~~storing said collected waveforms signals; and~~

transmitting at least ~~a first waveform signal~~ one of said collected plurality of waveform signals to a first body organ to regulate organ function, ~~said first waveform signal including at least a second waveform signal that substantially corresponds to at least one of said collected waveform signals and is operative in the regulation of said first body organ.~~

Claim 17. (Currently amended) The method of claim 16, wherein said step of collecting said plurality of waveform signals includes transforming said collected plurality of waveform signals into a readable format for a processor.

Claims 18-20. (Canceled)

Claim 21. (Currently amended) A method for regulating body organ functioning in a body having a nervous system, comprising the steps of:

collecting a plurality of waveforms generated in the body and carried by neurons in the body, said waveforms being operative in the regulation of body organ functioning;

storing said collected plurality of waveforms in a storage medium; and

transmitting at least ~~a first waveform signal~~ one of said collected plurality of waveforms to the nervous system ~~proximate a first body organ~~ to regulate the function of a body organ ~~function, said first waveform signal including at least a second waveform that substantially corresponds to at least one of said collected waveforms and is operative in the regulation of said first body organ.~~

Claim 22. (Currently amended) A method for regulating body organ functioning in a body having a nervous system, comprising the steps of:

collecting a plurality of waveforms generated in the body and carried by neurons in the body, said waveforms being operative in the regulation of body organ functioning; and

~~storing said collected waveforms in a storage medium; and~~

transmitting at least ~~a first waveform signal~~ one of said collected plurality of waveforms to the nervous system to regulate the function of a body organ, ~~said first waveform signal including at least a second waveform that substantially corresponds to at least one of said collected waveforms and is operative in the regulation of at least a first body organ.~~